

## **AMENDMENTS TO THE CLAIMS**

1. **(Currently Amended)** A conical type diaphragm for a loudspeaker comprising:  
~~aan outer peripheral shape overlapping defined by a first circle and overlapping a second circle in a top view of an outer periphery shape of the diaphragm,~~  
wherein the first circle has a first center point and a first radius, and the second circle has a second center point different from the first center point and a second radius different from the first radius.
  
2. **(Currently Amended)** The conical type diaphragm for the loudspeaker of claim 1, wherein  
a through-hole for fixing a voice coil is formed at a center of the diaphragm, and  
the diaphragm has an edge-fixing part ~~for being fixed~~ configured to fix the diaphragm to a loudspeaker frame via an edge at ~~its~~an outer periphery of the diaphragm.
  
3. **(Currently Amended)** A conical type diaphragm comprising:  
a through-hole for fixing a voice coil formed at a center of the diaphragm; and  
an edge-fixing part at an outer periphery of the diaphragm,  
wherein the outer periphery of the diaphragm is substantially circular, and  
the outer periphery of the diaphragm has a shape ~~that~~defined by a first circle and a second circle ~~are overlapped~~that overlap each other with their center points ~~displaced in~~positioned such a manner that at least one part of an outer periphery of the first circle and at least one part of an outer periphery of the second circle forms form a part of the substantially circular outer periphery.
  
4. **(Currently Amended)** The conical type diaphragm of claim 3, wherein  
center points of the first circle and the second circle are displaced from a center point of an ~~entire~~overall shape of the diaphragm.

5. **(Currently Amended)** A loudspeaker comprising:  
a magnetic circuit including a magnetic gap;  
a cylindrical voice coil having a first end and a second end, the first~~whose~~ end is  
configured to be inserted into the magnetic gap;  
a conical type diaphragm fixed to ~~another~~ the second end of the voice coil; and  
a frame holding an outer periphery of the diaphragm via an edge,  
wherein a through-hole for fixing the voice coil is formed at a center of the diaphragm,  
wherein the diaphragm has ~~a~~an outer peripheral shape ~~overlapping~~defined by a first circle  
~~and overlapping~~ a second circle ~~in a top view of an outer periphery shape of the diaphragm,~~ and  
wherein the first circle has a first center point and a first radius, and the second circle has  
a second center point different from the first center point and a second radius different from the  
first radius.

6. **(Original)** The loudspeaker of claim 5, wherein  
the diaphragm has a third circle, the third circle surrounds both the first circle and the  
second circle, and the third circle contacts with outer peripheries of the first circle and the second  
circle, and  
a center point of the third circle is a center point of the diaphragm.

7. **(Currently Amended)** The loudspeaker of claim 5,  
wherein ~~the outer periphery of the diaphragm has a shape that~~ the first circle and the  
second circle ~~are overlapped~~overlap each other ~~with~~such that their center points ~~displaced in are~~  
positioned such a manner that at least one part of an outer periphery of the first circle and at least  
one part of an outer periphery of the second circle ~~forms~~form a part of the substantially circular  
outer periphery.

8. **(Currently Amended)** The loudspeaker of claim 7, wherein  
center points of the first circle and the second circle are ~~displaced~~positioned from a center  
point of an ~~entire~~overall shape of the diaphragm.

9. **(New)** A loudspeaker comprising:

- a magnetic circuit including a magnetic gap;
- a cylindrical voice coil having a first end and a second end, the first end being configured to be inserted into the magnetic gap;
- a conical type diaphragm fixed to the second end of the voice coil; and
- a frame holding an outer periphery of the diaphragm via an edge, wherein a through-hole for fixing the voice coil is formed at a center of the diaphragm, wherein the diaphragm has an outer peripheral shape defined by a first circle overlapping a second circle, and
  - wherein the first circle has a first center point and a first radius, and the second circle has a second center point different from the first center point and a second radius different from the first radius;
  - wherein the diaphragm has a third circle, the third circle surrounds both the first circle and the second circle, and the third circle contacts with outer peripheries of the first circle and the second circle, and
    - a center point of the third circle is a center point of the diaphragm.

10. **(New)** The conical type diaphragm for the loudspeaker of claim 1, wherein the diaphragm has a third circle, the third circle surrounds both the first circle and the second circle, and the third circle contacts with outer peripheries of the first circle and the second circle, and

- a center point of the third circle is a center point of the diaphragm.

11. **(New)** The conical type diaphragm for the loudspeaker of claim 1, wherein the first circle and the second circle are configured to overlap such that at least one part of an outer periphery of the first circle and at least one part of the outer periphery of the second circle form a part of the outer peripheral shape.

12. **(New)** The conical type diaphragm for the loudspeaker of claim 2, wherein the through-hole is positioned substantially in the center of the diaphragm.
13. **(New)** The conical type diaphragm of claim 3, wherein the diaphragm has a third circle, the third circle surrounds both the first circle and the second circle, and the third circle contacts with outer peripheries of the first circle and the second circle, and  
a center point of the third circle is a center point of the diaphragm.
14. **(New)** The conical type diaphragm of claim 3, wherein the through-hole is positioned substantially in the center of the diaphragm.
15. **(New)** The loudspeaker of claim 5, wherein the first circle and the second circle are configured to overlap such that at least one part of an outer periphery of the first circle and at least one part of the outer periphery of the second circle form a part of the outer peripheral shape.
16. **(New)** The loudspeaker of claim 5, wherein the through-hole is positioned substantially in the center of the diaphragm.